

NAME _____

DATE _____



Expressions, Variables & Situations

- 1** To evaluate an expression, you have to replace the variable with a number so you can find the answer. Evaluate each of the expressions below.

Expression	Evaluate if $x = 8$	Evaluate if $x = 24$	Evaluate if $x = 400$
$3x$	$3 \times 8 = 24$	$3 \times 24 = 72$	$3 \times 400 = 1,200$
$4x$			
$x - 8$			
$x \div 4$			
$2x + 5$			
$(x \div 2) + 29$			

- 2** Mr. Brown got 3 boxes of envelopes. He gave 4 of the envelopes to his son. Which expression shows how many envelopes Mr. Brown has left?

$3b \times 4$

$3b + 4$

$3b \div 4$

$3b - 4$

- 3** Eloise and Dylan are picking cherries. So far, they have picked 5 boxes of cherries, and Dylan has 2 more cherries in his hand. Which expression shows how many cherries Eloise and Dylan have picked?

$2b + 5$

$5b + 2$

$2 \times 5b$

$7b$

- 4** Write a situation to match each of the expressions below. The variable b stands for box, but you can choose whatever you want to put in the box.

Expression	Situation
$b \div 2$	Kara got a box of jellybeans. She divided the jellybeans evenly with her sister.
$19 + b$	
$2b$	
$b + 12$	